

AMENDMENTS TO THE CLAIMS

1. (Original) An installation for drying pasty or powdery products such as in particular waste and more particularly sludge from wastewater purifying stations, in a chamber receiving the products to be dried, and which is provided with means for turning over and routing said products, this installation being characterized in that it comprises a greenhouse with translucent or transparent walls (1), erected on a slab or floor (2) upon which the bed (3) of products to be dried is deposited, this slab being equipped with said turning over and routing means, and further comprises one or more wind generators (4) generating energy which is degraded in the form of heat which is restored in the slab (2) upon which the bed of products to be dried (3) is spread.

2. (Original) The installation as claimed in claim 1, characterized in that said wind generators (4) generate electrical energy supplying resistors embedded in the slab (2).

3. (Original) The installation as claimed in claim 1, characterized in that said wind generators actuate a heat pump (7) comprising a compressor and two heat exchangers: one constituting the hot source which transfers heat to the slab (2) and the second constituting the cold source, condensing the moisture in the air entering the greenhouse (1).

4. (Currently Amended) The installation as claimed in claim 1 ~~in any one of the preceding claims~~, characterized in that it comprises ventilation means combining natural ventilation with intermittent forced ventilation.

5. (Currently Amended) The installation as claimed in claim 1 ~~in any one of the preceding claims~~, characterized in that it comprises regulating means comprising sensors measuring the temperature of the bed (3) of products to be dried, the air temperature respectively inside and outside the greenhouse (1) and the humidity of the air, these sensors actuating mobile louvers (5,6) provided, respectively, in the top portion and in the bottom portion, on the walls of the greenhouse (1) in order to regulate the natural convection removing the moistureladen air.

6. (Original) The installation as claimed in claim 5, characterized in that it further comprises programming and automation means.

7. (Currently Amended) The installation as claimed in claim 1 ~~any one of the preceding claims~~, characterized in that the means provided in the slab (2) for turning over and routing the bed (3) of products to be dried are provided in the form of rotating rollers, equipped with toothed harrows serving to break up the bed (3) while transporting the bed from the inlet to the outlet of the greenhouse.

8. (Original) The installation as claimed in claim 4, characterized in that the forced ventilation means are supplied with energy from said wind generators (4).

9. (Original) The installation as claimed in claim 7, characterized in that the means provided in the slab (2) for turning over and routing the bed (3) of products to be dried are supplied with energy from said wind generators (4).